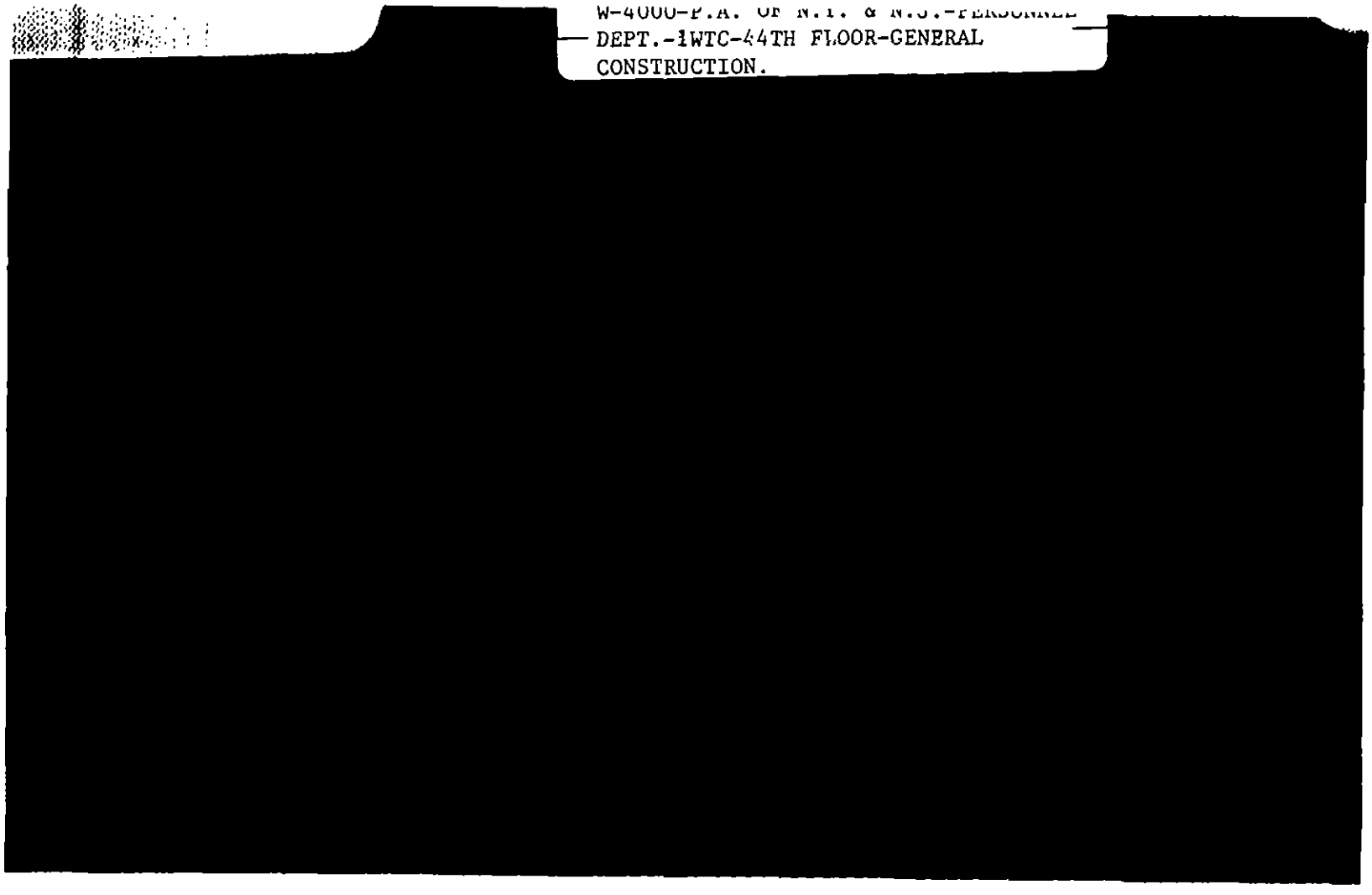
W-4000-P.A. OF N.Y. & N.J.-PERSONNEL
DEPT.-1WTC-44TH FLOOR-GENERAL
CONSTRUCTION.

THE PORT AUTHORITY OF NY & NJ Memorandum

Refer To	Date	Noted By	Date
Return To		File	

To: Mr. Arthur P. Coras, Manager, Quality Assurance Division
From: Robert J. Linn
Date: May 13, 1988
Subject THE WORLD TRADE CENTER - Personnel Department - 44th Floor, 1 WTC - Contract WTC 404.310 - Tenant Alteration Application No. 4000 - Review of Drawings

Copy To Messrs. F. Boyce (w/att), T. Cancelliere (w/att), P. Cooper (w/att), G. Daddi, E. Daly, T. Donovan, J. Duncan (w/att), M. Glavicic (w/att), P. Marchese, R. Perry, A. Preschle, C. Semah (w/att), A. Vaccaro;
Ms. J. Suda (w/att)

You are requested to review the attached Architectural, HVAC, Electrical and Structural Drawings, dated April 28, 1988 (see Drawing List), for New York City Building Code compliance, construction details, specifications and completeness of information as they apply to 1 World Trade Center.

The scope of work consists of general construction to the subject premises. This work will be performed by an in-house contractor under a Tenant Alteration Application.

By copy of this memorandum, Mr. Frank Boyce is requested to immediately arrange for appropriate bulk sampling of the sprayed-on fireproofing or insulation in the subject space and have it analyzed for the presence or absence of asbestos as expeditiously as possible.

Please provide a report of your findings with a copy to the Engineering Dept. and the Inspection & Safety Division, who are requested thereby to include the necessary control measures in their comments.

It is requested that all comments on these drawings be returned to the attention of Mr. G. Daddi no later than June 20, 1988. By copy of this memorandum, all persons copied with attachments are also requested to submit their comments by the above specified date.

Should you have questions on this matter, please contact Mr. G. Daddi at 466-7120.

Robert J. Linn
Deputy Director for
Physical Facilities
World Trade & Economic Development

GD/gem

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TENANT CONSTRUCTION REVIEW UNIT
RECEIVED
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W-4000
ALTERATION APPLICATION

PA 90A
3-80

PERSONNEL DEPARTMENT

CONTRACT WTC 404.310

TENANT ALTERATION APPLICATION

44TH FLOOR, 1 WTC

DRAWING LIST

ARCHITECTURAL	TITLE
A44-T	Title Sheet
A44-DC	Demolition & Construction Plan
A44-RC	Reflected Ceiling Plan
A44-PT	Power & Telephone Location Plan
A44-D1	Details
A44-S1	Specifications
STRUCTURAL	
S44-1	Structural Alterations
PLUMBING	
P44-1	Sprinkler & Plumbing Plan
P44-2	Specifications
H V A C	
M44-1	HVAC Plan
M44-1	Specifications & Details
ELECTRICAL	
E44-1	Lighting Plan
E44-2	Power Plan
E44-3	Electrical Specifications

THE PORT AUTHORITY OF NY & NJ Memorandum

Refer To	Date	Noted By	Date
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From: Robert J. Linn
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Robert J. Linn
Deputy Director for
Physical Facilities
World Trade & Economic Development

GD/gem

THE PORT AUTHORITY OF NY & NJ
QUALITY ASSURANCE DIV.
ENGINEERING DEPT.
MAY 17 1988
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PERSONNEL DEPARTMENT

CONTRACT WTC 404.310

TENANT ALTERATION APPLICATION

44TH FLOOR, 1 WTC

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THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

M E M O R A N D U M

To: Mr. R. Linn, Deputy Director for Physical Facilities, WT&ED
From: Arthur P. Coras
Date: June 9, 1988
Subject: WTC - ALTERATION APPLICATION #W-4000 - PANY/NJ - 1 WTC, 44TH FL. - PERSONNEL DEPT. - GENERAL CONSTRUCTION

Reference: Memorandum R. Linn to A. Coras dated 5/13/88

Copy To: J. Duncan, L. Sanchez, A. Vaccaro, Job Folder, Chrono File

A review of the material submitted with the referenced request for the subject application has been made.

It is recommended that approval to proceed be given subject to the submission of the items listed below being revised in accordance with the eleven (11) requirements listed on the attached rider.

Drawings: See attachment.

Arthur P. Coras
Manager
Quality Assurance Division

RAW/dm
att.

ATTACHMENT

ALTERATION APPLICATION #W-4000

The following drawings are recommended for approval:

Dwgs.	#A44-T	dated	4/28/88
	A44-DC	dated	4/28/88
	A44-RC	dated	4/28/88
	A44-PT	dated	4/28/88
	A44-D1	dated	4/28/88
	A44-S1	dated	4/28/88
	P-44-1	dated	4/28/88
	P-44-2	dated	4/28/88
	M44-1	dated	4/28/88
	M44-2	dated	4/28/88
	E44-1	dated	4/28/88
	E44-2	dated	4/28/88
	E44-3	dated	4/28/88
	S44-1	dated	4/28/88

060988

RIDER

ALTERATION APPLICATION #W-4000

ARCHITECTURAL

1. Dwg. #A44-D1, Door Types, Door Size Schedule and Glass Sidelight Details D and E. Verify that clear tempered glass panels comply with N.Y.C. Building Code, Section C26-1011.9, "glass panels subject to human impact". Provide markings on glass surfaces in compliance with requirements of BS&A Cal. 501-68-SR, paragraphs 3.1 and 3.2.

2. Dwg. #A44-DC. Storage Room #4406 shall be classified as B-1 storage occupancy requiring 3-hour fire rated enclosure as required per Code, Table 5-2, except if B-2 occupancy can be justified based on the type of material to be stored, or on the use of metal containers, or cabinets for the storage of combustible materials. Code Section C26-301.4 and C26-303.1, Code Tables 5-1 and/or 5-2.

3. Dwg. #A44-DC. Room #4402 must be provided with a swinging exit door unless it can be established that the sliding doors will stay open at all times that the space is occupied.

MECHANICAL

4. Dwg. #M44-1. Provide fire damper and access door in the new 18 x 6 duct at penetration of rated partition at column line #237. See N.Y.C. Building Code RS 13-1, Section 3-3.2.1.

5. Dwg. #M44-1. Provide and specify vibration isolation duct connectors at exhaust fan CV-1. See Code, Section 27-770 (C26-1208.3)(b).(g).

6. Dwg. #M44-2, New York City Ventilation Index. Please provide calculations of the Ventilation Index for each occupiable space within the area of this alteration in conformance with Code Section 27-182 (C26-116.3).(a).(3). Also, please substantiate that the volumes of supply air of 50 cfm. for each interview room (#4415 and #4416) are in conformance with the required minimum outdoor air supply per Code Section 27-754 (C26-1206.3)

7. Dwg. #M44-2, Fire Damper Note #2. Revise the note to read: "Connections between collar and ductwork shall be break-away type such as "S" slip, crimp, or other slip type in accordance with SMACNA Plate 15A, 4th Edition, and Plate 1, SMACNA Fire Damper Guide, 1970." In accordance with WTC Standards.

8. Dwg. #M44-2, Fire Damper Note #3. Revise the note to read "Fire damper sleeve shall be same gauge as ductwork with a minimum of 16 gauge for high velocity or rectangular ductwork up to 36 in. wide.

For ductwork above 36 inches wide it shall be 14 gauge." In accordance with WTC standards..

9. Dwg. #M44-2, HVAC Specification. For selected duct insulation specify maximum flame spread and smoke developed ratings to be 25 and 50, respectively, in accordance with Code RS 13-1, Section 2-1.3.1. Also, please provide specifications for duct soundlining (used in fan CV-1 ductwork) to meet the same flame spread and smoke developed rating conditions.

ELECTRICAL

10. Dwg. #E44-1:

    a) Verify that the exit signs are approved for use in New York City. N.Y.C. Building Code C26-106.2, 606.3 and 606.4.

    b) All exit signs shall be connected to an emergency power source or to storage battery equipment meeting the requirements of the Bureau of Electrical Control of the Department of General Services and the Commissioner. (C26-606.2) Please indicate on the drawing.

11. Dwgs. #E44-3. No THHN or other thermoplastic wires containing PVC material shall be used in the building interior. Delete "THHN" from Electrical Specification Item #12.A.

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W-4000-P.A. OF N.Y. & N.J.-PERSONNEL
DEPT.-1WTC-44TH FLOOR-GENERAL
CONSTRUCTION.

[redacted]